Materials to read:

Introduction to Wavelets and how they differ from Fournier Transforms:

<https://www.ams.org/journals/bull/1993-28-02/S0273-0979-1993-00390-2/S0273-0979-1993-00390-2.pdf>

Wavelet Analysis: Theory and Applications

<https://www.hpl.hp.com/hpjournal/94dec/dec94a6a.pdf>

Wavelet Convolutional Neural Networks

<https://arxiv.org/pdf/1805.08620.pdf>

Wavelet Pooling for Convolutional Neural Networks

<https://openreview.net/pdf?id=rkhlb8lCZ>

Wavelet Convolutional Neural Networks for Handwritten Digits Recognition

<https://link.springer.com/chapter/10.1007/978-3-319-76351-4_31>

Main paper to cite:

https://easychair.org/publications/download/6Mbb

Python Wavelet Transformation Package

<https://pywavelets.readthedocs.io/en/latest/>

Pytorch Wavelets:

<https://pytorch-wavelets.readthedocs.io/en/latest/readme.html>

Pytorch Intro(CNN Intro):

<https://pytorch.org/tutorials/beginner/deep_learning_60min_blitz.html>